|          |                    |          |                 |          |          |          |                 |     |            |  |          |           |          | 10/682,087 |                |              |              |             |           |          |        |            | GAGE ET AL.         |                |              |           |              |              |          |          |      |  |
|----------|--------------------|----------|-----------------|----------|----------|----------|-----------------|-----|------------|--|----------|-----------|----------|------------|----------------|--------------|--------------|-------------|-----------|----------|--------|------------|---------------------|----------------|--------------|-----------|--------------|--------------|----------|----------|------|--|
|          |                    |          |                 |          |          |          |                 |     |            |  |          |           | Examiner |            |                |              |              |             |           |          |        |            | Art Unit            |                |              |           |              |              |          |          |      |  |
|          |                    |          |                 |          |          |          |                 |     |            |  |          |           |          |            | Marceau Milord |              |              |             |           |          |        |            |                     |                | 2618         |           |              |              |          |          |      |  |
|          | 1                  | R        | eje             | cte      | d        |          | (Through numera |     |            |  |          |           | eral     | )          |                | N            |              | Non-Elected |           |          |        | A          | Appeal              |                |              |           |              | ]            |          |          |      |  |
|          | =                  | Δ        | /llo            | we       | d        | ÷        |                 |     | Restricted |  |          |           |          |            |                | ı            | I Interferen |             | ∍n        | ce       |        | 0          | Objected            |                |              |           |              |              |          |          |      |  |
| Clair    |                    | 2        |                 |          | Date     | }        |                 |     | Claim      |  |          |           |          | Date       | <br>e          | _            |              | $\neg$      | Г         | Cli      | aim    |            | Date                |                |              |           |              | 1            |          |          |      |  |
|          |                    |          |                 |          |          | T        | П               | Т   | 1          |  |          | Т         |          | Т          |                | Ť            |              |             |           | İ        |        |            | П                   |                | T            | Ī         | Ť            | Τ            |          |          |      |  |
| Final    | Original           |          |                 |          |          |          |                 |     |            | Final  | Original |           |          |            |                |              |              |             |           | ŀ        | Final  | Original   |                     |                |              |           |              |              |          |          |      |  |
|          | 1 V                |          |                 |          |          |          |                 |     | 1          |  | 51       |           |          |            |                |              |              |             |           | t        |        | 101        |                     |                | 1            | $\pm$     |              |              |          |          |      |  |
|          | 2                  |          |                 |          |          | $\dashv$ | $\dashv$        |     | -          |  | 52<br>53 | $\perp$   | $\bot$   | 1          | ļ_             | $oxed{\Box}$ |              | $\Box$      | _         | F        |        | 102        |                     | $\perp$        | 1            | $\bot$    | $\perp$      | $\perp$      | L        |          |      |  |
| <u> </u> | 3                  | ┢        | Н               |          | -        | +        | $\dashv$        | +   | ┨          |  | 54       | -         | ╁        | +-         | ╁╾             | ┢            | Н            | $\dashv$    | -         | ŀ        |        | 103<br>104 | $\vdash$            | +              | +            | +         | ╁            | ╁            | ╁        | -        |      |  |
|          | 5                  |          |                 |          |          | 士        |                 |     | 1          |  | 55       |           | Ţ        |            | L              |              |              |             |           | t        |        | 105        |                     |                | $\perp$      | 1         | T            |              |          |          |      |  |
|          | 6   <del> </del> 7 | _        | $\square$       |          | _        | 4        | $\perp$         | _   | 4          | <u> </u>   | 56<br>57 |           | $\perp$  | _          |                |              | Ш            |             | _         | -        |        | 106        | Н                   | $\perp$        | 4            | $\perp$   | 1            | ╀            |          | _        |      |  |
|          | 8                  | -        | Н               |          | $\dashv$ | +        | +               | ╁   | 1          |  | 58       | +         | +        | ╁          | -              | -            |              | $\dashv$    | $\dashv$  | ł        |        | 107<br>108 | $\vdash$            | +              | +            | +         | ╁            | +            | $\vdash$ |          |      |  |
|          | 9 //               |          |                 |          |          | $\Box$   | $\perp$         |     | 1          |  | 59       |           |          |            |                |              |              |             |           | Į        |        | 109        |                     |                |              | L         |              |              | 上        |          |      |  |
|          | 10 V<br>11         | _        | $\vdash$        | _        | $\dashv$ | $\dashv$ | 4               | - - | ┨          |  | 60<br>61 | -         | _        | -          | ـ              |              | Ш            | _           | 4         | -        |        | 110        | $\sqcup$            | $\dashv$       | $\perp$      | $\perp$   | -            | -            | <b> </b> |          |      |  |
|          | 12                 | ┢        | Н               |          | $\dashv$ | +        | +               | +   | ┨          |  | 62       | +         | +        | +-         | -              | $\vdash$     | Н            | $\dashv$    | $\dashv$  | -        |        | 111<br>112 | H                   | +              | +            | +         | +            | ╁            | ╁        | H        |      |  |
|          | 13                 |          |                 |          | ゴ        | $\perp$  |                 |     |            |  | 63       |           |          |            |                |              |              |             |           | t        |        | 113        |                     | 士              |              |           | İ            |              |          |          |      |  |
|          | 14                 | L        |                 |          | _        | +        | 4               |     | -          |  | 64       | _ -       | _        | 4          | <u> </u>       | Ш            |              | $\dashv$    | _         | ļ        |        | 114        | $\sqcup$            | _              | 1            |           | -            | ↓_           | <u> </u> |          |      |  |
|          | 15    <br>16       | -        | H               |          | +        | +        | +               | -   | -          | -  | 65<br>66 | +         | ╬        | ╁          | $\vdash$       | H            | $\vdash$     | $\dashv$    | $\dashv$  | ŀ        |        | 115<br>116 | -                   |                | ╁            | ╁         | ╁            | ╁            | ┢        | Н        |      |  |
|          | 17                 |          |                 |          | 士        |          | 士               |     | j          |  | 67       |           | 士        |            |                |              |              |             |           | t        |        | 117        |                     | $\top$         | $\dagger$    | T         | $^{\dagger}$ |              | $\vdash$ |          |      |  |
|          | 18                 |          |                 |          |          | $\perp$  | 4               |     | ]          |  | 68       |           | $\bot$   | 1_         | ļ              |              |              | $\dashv$    | _         |          |        | 118        |                     | _ _            | Τ.           | 1_        | L            | L            | 匚        |          |      |  |
|          | 19 V               |          |                 |          | $\dashv$ | $\dashv$ | +               | +   | +          | $\vdash$   | 69<br>70 | -         | +        | +          | -              | Н            | Н            | $\dashv$    | $\dashv$  | +        |        | 119<br>120 | $\dashv$            | +              | ╁            | ╁         | ╁            | ┝            | ├        |          |      |  |
| 2        | 21                 |          |                 |          |          | $\top$   | $\top$          |     | 1          |  | 71       |           |          |            |                |              |              | 寸           | $\dashv$  | t        |        | 121        | $\vdash$            | $\dashv$       | t            | $\dagger$ | T            | $\vdash$     | $\vdash$ | H        |      |  |
|          | 22                 |          |                 |          | $\Box$   | 4        | $\downarrow$    |     | ]          |  | 72       |           |          |            |                |              |              | $\Box$      |           |          |        | 122        |                     |                | I            |           | Γ            |              |          |          |      |  |
|          | 23                 | _        | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | +               | ╁   | ┨          |  | 73<br>74 | +         | +        | ╁          |                | Н            | -            | $\dashv$    | $\dashv$  | ŀ        |        | 123<br>124 | $\dashv$            |                | +            | ╁         | +            | ╀            | ╁        | Н        |      |  |
|          | 25                 |          | H               | $\dashv$ |          | T        | +               | +   | 1          | $\vdash$   | 75       | +         | ╅        | ╁          |                | Н            |              | _           | $\dashv$  | ł        |        | 125        | $\vdash$            | +              | $^{\dagger}$ | +         | +            | ╁╴           | ╁        | Н        |      |  |
|          | 26                 |          |                 |          | $\Box$   |          |                 |     | ]          |  | 76       |           | T        |            |                |              |              |             |           | Ĺ        |        | 126        |                     |                | Ţ            |           |              |              |          |          |      |  |
|          | 27<br>28           | -        | $\square$       | $\dashv$ | -        | -        | +               | +   | ┨          |  | 77<br>78 | +         | +        | +          | _              |              | -            | -           | -         | ŀ        |        | 127<br>128 | $\vdash$            |                | ╀            | +         | $\perp$      | ╀            | <u> </u> | Н        |      |  |
|          | 29                 |          |                 | -        | +        | +        | $\dagger$       | +   | 1          |  | 79       | _         | +        | +          | $\vdash$       | Н            | $\vdash$     | $\dashv$    | $\dashv$  | ŀ        |        | 129        | $\vdash$            | +              | ╁            | ╁         | ╁            | ╁            | ╁        | Н        |      |  |
|          | 30                 |          |                 | $\Box$   | $\Box$   | $\Box$   | $\perp$         |     | ]          |  | 80       |           |          |            |                |              |              | ļ           |           |          |        | 130        |                     |                |              |           |              |              |          |          |      |  |
|          | 31<br>32           |          | $\vdash$        | $\dashv$ | $\dashv$ |          | +               | +   | ┨          |  | 81<br>82 | $\dashv$  | +        | -          | ⊢              | Н            | $\dashv$     | 4           | $\dashv$  | ŀ        |        | 131<br>132 | $\vdash$            |                | +            | +         | ╀            | ╀            | -        | Ш        |      |  |
|          | 33                 |          | H               | $\dashv$ | 十        | $\dashv$ | $\dagger$       | +   | 1          | $\vdash$   | 83       | +         | ╁        | +          | $\vdash$       | Н            |              | $\dashv$    | $\dashv$  | ŀ        | _      | 133        | $\forall$           | +              | +            | t         | ╁            | ╁            | ┢        | -        |      |  |
|          | 34                 |          |                 |          |          |          | $\Box$          |     | ]          |  | 84       |           |          |            |                |              |              | $\Box$      |           |          |        | 134        |                     |                | Ţ            |           |              |              |          |          |      |  |
|          | 35<br>36           |          | Н               | -        | $\dashv$ |          | +               | +-  | -          |  | 85<br>86 | +         | +        | +          |                |              | $\vdash$     | $\dashv$    | -         | -        |        | 135<br>136 | $\dashv$            | +              | +            | +         | ┼-           | <del> </del> | ┡        | Щ        | <br> |  |
|          | 37                 |          | Н               | $\dashv$ | _        | $\dashv$ | +               | +   | 1          |  | 87       | +         | +        | +          | Н              | $\vdash$     |              | ᅥ           | -         | ŀ        |        | 137        | $\dashv$            | +              | +            | +         | ╁            | +            | +        | Н        |      |  |
|          | 38                 |          |                 |          | $\Box$   | 1        | #               | I   | 1          |  | 88       |           | $\perp$  | 工          |                |              |              |             |           |          |        | 138        |                     |                |              | 上         |              |              |          |          | ı    |  |
|          | 39<br>40           |          | $\vdash \vdash$ |          | $\dashv$ | +        | +               | +   | 4          |  | 89<br>90 | +         | +-       | ┼          | _              | $\square$    | $\dashv$     | -           | 4         | ŀ        |        | 139<br>140 | $\dashv$            | _ _            | 4            | 4         | ╄            | -            | ļ _      | Щ        | ı    |  |
|          | 41                 |          | $\vdash$        | $\dashv$ | $\dashv$ | +        | +               | +   | ┨          | $\vdash$   | 91       | +         | +        | ╁          | $\vdash$       | Н            | $\dashv$     | +           | -         | ŀ        |        | 141        | $\vdash$            | -              | ╁            | ╁         | $\vdash$     | ╁            | ┝        | Н        | ı    |  |
| 4        | 12                 |          |                 |          | $\perp$  | $\perp$  | 1               | 上   | 1          |  | 92       |           | I        |            |                |              |              | コ<br>は      |           | L        |        | 142        |                     | $\perp$        | T            | $\perp$   |              |              |          |          | İ    |  |
|          | 13<br>14           | Н        | $\sqcup$        | 4        | _        | 4        | 4               | +   | -          | $\vdash$   | 93<br>94 | $-\Gamma$ | $\bot$   | $\perp$    | $\Box$         |              | П            | $\neg$      | _         | F        |        | 143        | $\dashv$            | $\perp \Gamma$ | T            | F         |              | L            | $\Box$   |          | :    |  |
|          | 15<br>15           | $\vdash$ | $\vdash \vdash$ | $\dashv$ | +        | +        | +               | +   | +          | $\vdash$   | 95       | +         | +        | +          | $\vdash$       | $\vdash$     | $\dashv$     | +           | $\dashv$  | $\vdash$ |        | 144        | $\dashv$            | +              | +            | +         | +-           | ┼-           | $\vdash$ | Н        | ı    |  |
| 4        | 16                 |          |                 |          |          | $\perp$  | 士               |     | ]          |  | 96       |           | 士        | 上          |                |              |              |             |           |          |        | 146        |                     | 士              | 士            |           |              |              | $\vdash$ | $\vdash$ |      |  |
|          | 17                 | Щ        | $\dashv$        | $\dashv$ | $\dashv$ | $\bot$   | 7               |     | -          | $\square$  | 97       |           | Ţ        | 匚          | П              | П            | $\Box$       | $\Box$      | $\Box$    | Į        | $\Box$ | 147        |                     | $\perp$        | T            | I         |              |              |          |          |      |  |
|          | 18<br>19           | -        | $\dashv$        | $\dashv$ | $\dashv$ | +        | +               | +-  | +          | <del>                                     </del> | 98<br>99 |           | +        | +          | Н              | $\vdash$     | $\dashv$     | $\dashv$    | $\dashv$  | -        |        | 148<br>149 | $\vdash \downarrow$ | +              | +            | +         | +-           | ╀            | $\vdash$ | -        |      |  |
|          | 50                 |          |                 |          |          | _        | _               | 士   | 1          |  | 100      |           | _        | $\perp$    |                |              | $\exists$    | _           | $\exists$ | +        |        | 150        | _                   | _              | _            | $\perp$   | 1            | t            | $\vdash$ | $\vdash$ |      |  |
|          |                    |          |                 |          |          |          |                 |     | -          |  |          |           |          |            |                |              |              |             |           | -        |        |            |                     |                |              | -         |              | •            |          |          |      |  |

Application/Control No.

Index of Claims

Applicant(s)/Patent under Reexamination